



## BOM OF THE AC POWER UNIT

	CCT NO.	DESCRIPTIONS	ITEMS
	BD1	Bridge Diode	600V/15A D15XB60
	C1	Capacitor	1uF±10%/450Vdc
	C17	Capacitor	0.022uF±10%/50V
	C19	Capacitor	105°C/470uF/16V
	C2	Capacitor	0.22uF±10%/400Vdc
	C22,CA14	Capacitor	0.47uF±10%/25V
	C26,CF6	Capacitor	100pF±5%/50V
	C28,C29	Capacitor	0.0047uF±5%/400Vdc
	C2A	Capacitor	0.01uF±5%/400Vdc
	C31	Capacitor	0.47uF±5%/63Vdc
	C34	Capacitor	0.047uF±5%/630Vdc
	C35,C45	Capacitor	470pF±5%/50V
	C40	Capacitor	47P/1000V
	C60	Capacitor	470pF/200V±10%
	CA16	Capacitor	100pF±20%/1000V
	CA17	Capacitor	0.068UF/630V
	CA45	Capacitor	0.033uF±10%/50V
	CN1,CN3,CN4	Connector	Connector 12pin
	CN2	Connector	Connector 4pin
⚠	CON1	Connector	CI52-03P1VP2
⚠	CON1	Connector	VH-3A
⚠	CON1	Connector	YY-28--W03S-3P
⚠	CX1	X Capacitor	1uF±10%/275Vac MKP62
⚠	CX1	X Capacitor	1uF±10%/275Vac MPX
⚠	CY2	Y1 Capacitor	2200pF 250VAC (CD)
⚠	CY2	Y1 Capacitor	2200pF 250VAC (AH)
⚠	CY3,CY4	Y1 Capacitor	1000pF 250VAC (CD)
⚠	CY3,CY4	Y1 Capacitor	1000pF 250VAC (AH)
	D12	Diodes	HER207
	D13,DA1	Diodes	MBRF2045CT
	D29,Q16,Q23,Q22	Transister	LMBT3904LT1G
	D4	Diodes	BYC10X-600
	D6,DA9,DA10,DA11,D31,DA6,D10	Diodes	LMBD914LT1G
	D8	Diodes	HER103
	DA2,DA3	Diodes	SF20JC10
	DA4,DA7,DA14,DA15,DA17,DA12,DA18	Diodes	LBAV70LT1G
	DA8	Diodes	LBAV99LT1G
	DB2	Diodes	600V/2A/1V D2SB60A-7000
	EA5,EA6,EA7	Capacitor	105°C/470uF/35V
	EA8	Capacitor	105°C/220uF/35V
	EC1	Capacitor	105°C/270uF/450V
	EC10,EC2,EC9,EA3,EA4	Capacitor	105°C/1000uF/16V
	EC5,EA9	Capacitor	105°C/100uF/35V
	EC6	Capacitor	105°C/10uF/50V
	EC7	Capacitor	105°C/47uF/25V
	EC8	Capacitor	10uF/50V
⚠	F1	Fuse	T6.3AH/250V 50CT
⚠	F1	Fuse	T6.3AH/250V TSC
	IC1	IC	NCP1653ADR2G
	IC2	IC	LD7535BL
	IC3,U1,U2,UA5	IC	KA431AZTA
⚠	L1	Line Inductor	MLT199TL-L1

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⚠	L2	Line Inductor	MLT199TL-L2
	L3	Line Inductor	MLT199TL-L3
	L4,JP30,JP29,L5	Jumper	0Ω
	LA3	Line Inductor	MLT199TL-LA3
	LN2,LA1	Inductor	YMX-412-064
⚠	LN3	Line Inductor	MLT199TL-LN3
⚠	PC1B,PC2B,PC3B,PC4B	Photocoupler	PC817 (Sharp)
⚠	PC1B,PC2B,PC3B,PC4B	Photocoupler	K10101X (COSMO)
	Q11	Transister	FQPF2N60C
	Q14	Transister	LMBT4401LT1G
	Q15,Q4	Transister	FQPF13N50C
	Q17,Q18	Transister	LMBT3906LT1G
	Q19,Q2,Q3,Q7,Q1,Q10, Q13,Q9,Q12	Transister	LMBT4403LT1G
	Q5	Transister	2N4401
	Q8	Transister	NTD40N03RT4G
	QA2,QA3	Transister	N-MOSFET FQPF9N50CF
	R08,R07	Resistor	1/4W/1.5Ω±5%
	R09,RP3,R34,RP8,RP9	Resistor	1/4W/10Ω±5%
	R1,R15,R2,R21	Resistor	1/4W/470KΩ±1%
	R10,R48,R81,R24,R03,R103	Resistor	1/8W/47Ω±5%
	R11	Resistor	2W/1.0Ω±5%
	R12,R29,R72,R53	Resistor	1/8W/150Ω±5%
	R13,R85,R100,RA96,R30	Resistor	1/8W/4.7KΩ±5%
	R17	Resistor	1/8W/270KΩ±1%
	R18,R61,R95	Resistor	1/4W/4.7Ω±5%
	R19,R43,RA95,R38	Resistor	1/8W/3KΩ±5%
	R20	Resistor	1/4W/1MΩ±5%
	R26,R28	Resistor	1/8W/200Ω±5%
	R27	Resistor	1/8W/3.9KΩ±5%
	R31	Resistor	1/8W/62KΩ±5%
	R32,R33	Resistor	1/4W/2MΩ±5%
	R35,R16	Resistor	1/4W/510KΩ±1%
	R36	Resistor	1/4W/390KΩ±5%
	R37	Resistor	1/4W/39KΩ±5%
	R39,R40,R41	Resistor	1/4W/150KΩ±1%
	R47,R6,R90,R91	Resistor	1/8W/2KΩ±5%
	R52	Resistor	2W/100Ω±5%
	R55,R60,R76	Resistor	1/4W/100Ω±5%
	R56	Resistor	1W/10Ω±5%
	R58	Resistor	2W/100KΩ±5%
	R59,R70	Resistor	1/4W/2.2Ω±1%
	R61A,RA28,R46,R8	Resistor	1/8W/470Ω±5%
	R62,R63	Resistor	1/8W/10Ω±5%/0805
	R64	Resistor	1/8W/200KΩ±1%
	R65	Resistor	1/8W/20KΩ±5%
	R67	Resistor	1/8W/680Ω±5%
	R68,R69,RA32,RA34, RA60,R101,R102	Resistor	1/8W/10KΩ±1%
	R71	Resistor	1/8W/15KΩ±1%
	R73	Resistor	1/8W/47KΩ±5%
	R74	Resistor	1/8W/270Ω±5%
	R77	Resistor	1/8W/39KΩ±1%
	R78	Resistor	1/4W/47Ω±5%
	R79	Resistor	1/8W/1.8KΩ±5%

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	R80	Resistor	1/8W/150KΩ±5%
	R82,R04,R54,R14,R42	Resistor	1/8W/20Ω±5%
	R83,R9	Resistor	1/8W/2MΩ±5%
	R86,R7,R66,RA39,RA57, RA69,RA54,RA62,R89,RA88	Resistor	1/8W/0Ω±5%
	R87	Resistor	1/8W/1MΩ±5%
	R88	Resistor	1/8W/1.5KΩ±5%
	R98	Resistor	1/8W/4.7Ω±5%
	RA21	Resistor	1/8W/3.3KΩ±5%
	RA24	Resistor	1/8W/43KΩ±5%
	RA25,R96,RA22	Resistor	1/8W/6.2KΩ±1%
	RA26	Resistor	1/8W/47KΩ±1%
	RA27,RA70,RA36,RA59,R93,R94, R23,R22,R49,R75,R51,R02,R06	Resistor	1/8W/1KΩ±1%
	RA29,R44	Resistor	1/8W/91KΩ±5%
	RA33	Resistor	1/8W/11KΩ±1%
	RA35	Resistor	1/8W/1.2KΩ±1%
	RA37	Resistor	2W/1KΩ±5%
	RA38	Resistor	2W/2KΩ±5%
	RA42,RA8	Resistor	1/4W/6.2KΩ±5%
	RA61	Resistor	1/8W/1.3KΩ±5%
	RA7	Resistor	2W/0.22Ω±5%
	RA9	Resistor	1/8W/680KΩ±5%
	RA97,R50,R25,R104	Resistor	1/8W/100Ω±5%
	RS1,RS11,RS2,RS3	Resistor	2W/0.39Ω±5%
	RS5,RS6,RS7,RS8	Resistor	10mΩ
⚠	RT1	Thermistor	2.5Ω±20%/Φ15/8A SCK152R58MS
⚠	RV2	Resistor	680Vdc, TVR10681KS
⚠	RV2	Resistor	680VDC, CNR-10D681K
⚠	T1	Switch Transformer	MLT199TL-T1 (Class B)
	T4	Transformer	MLT198TL-T4
⚠	TD2A	Switch Transformer	MLT199TL-TD2A (Class B)
	UA4	IC	Power IC/SCY99084ANG/PDIP16
	UF4		amplifier/dual/3~32V/0.7mA/0~70℃/SOIC-8
	Z1	Zener Diodes	LBZX84C16LT1G
	Z5	Zener Diodes	LBZX84C22LT1G
	ZA1	Zener Diodes	LBZX84C13LT1G
	ZA2	Zener Diodes	LBZX84C27LT1G
	ZA4,Z7	Zener Diodes	LBZX84C9V1LT1